

1. A system for processing wireless data comprising:  
a gateway radio packet interface receiving radio packet  
data from a gateway radio packet node;

a serving radio packet interface coupled to the content switch system, the serving radio packet interface transmitting the radio packet data to a serving radio packet node.

3. The system of claim 1 wherein the content switch system further comprises a multicast system and extracts multicast setup data and user identification data from the radio packet data, wherein the multicast system addresses the radio packet data based upon the user identification data and the multicast setup data.

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6. The system of claim 1 wherein the content switch system further comprises a network handoff system and the serving radio packet interface transmits the radio packet data to at least two serving radio packet nodes, wherein the

20 network handoff system extracts the data fields from the radio packet data when the radio packet data is transferred from a first serving radio packet node to a second serving radio packet node.

a gateway radio packet interface receiving the radio packet data from the content switch system and transmitting  
10 the radio packet data to a gateway radio packet node.

8. The system of claim 7 wherein the gateway radio packet interface comprises an Internet protocol system, wherein the radio packet data is received from the packet network contained within an Internet protocol packet, and the Internet protocol system extracts the radio packet data from the internet protocol packet.

9. The system of claim 7 wherein the content switch  
20 system further comprises a serving handoff system  
transmitting the radio packet data to at least two serving  
radio packet nodes, wherein the serving handoff system  
extracts the data fields from the radio packet data when the  
radio packet data is transferred from a first serving radio  
25 packet node to a second serving radio packet node.

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13. A method for processing wireless data comprising:  
receiving radio packet data;  
determining whether a trigger event has occurred;  
extracting one or more first data fields from the radio  
5 packet data if the trigger event has occurred;  
performing a predetermined function using the one or  
more data fields to generate one or more second data fields;  
storing the second data fields in the radio packet data  
to create modified radio packet data; and  
10 transmitting the modified radio packet data to a  
serving radio packet node.

14. The method of claim 13 wherein receiving the radio  
packet data comprises receiving the radio packet data from a  
15 gateway radio packet node.

15. The method of claim 13 wherein receiving the radio  
packet data comprises receiving the radio packet data from a  
packet network, wherein the radio packet data is contained  
20 within an Internet protocol packet.

16. The method of claim 13 wherein determining whether  
a trigger event has occurred comprises determining whether  
one of the group of events comprising activation of a packet  
25 data protocol channel, serving radio packet node handoff,  
mobile network handoff, or receipt of a request for radio  
packet data modification has occurred.

17. The method of claim 13 wherein extracting one or more first data fields from the radio packet data if the trigger event has occurred comprises extracting one or more of the group of data fields comprising an International  
5 Mobile Subscriber Identity, a Network Layer Service Access Point Identifier, a Mobile Station ISDN number, a packet data protocol type, a packet data protocol address, a dynamic address identifier, an APN network identifier, a quality of service profile, a serving GPRS support node  
10 address, a mobile station not reachable indicator, a serving GPRS support node recovery identifier, a Sequence Number Downlink, a Sequence Number Uplink, a charging identifier, and a network protocol data unit reordering identifier.

18. The method of claim 13 wherein performing the predetermined function using the one or more data fields to generate one or more second data fields comprises one or more of the functions comprising determining transmission  
15 priority using a quality of service profile, determining whether to transmit multicast data using an International  
20 Mobile Subscriber Identity, determining whether a next radio packet data packet has been received using a Sequence Number Downlink or a Sequence Number Uplink, and determining network resource allocation using a mobile station not  
25 reachable indicator.

15           20.     The method of claim 13 wherein transmitting the  
modified radio packet data to the serving radio packet node  
comprises transmitting the modified radio packet data inside  
of an Internet protocol packet to a gateway radio packet  
node.

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